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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/610,132 07/05/00 COTTIS

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EXAMINER

IM52/0910

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SZEKELY, P

ART UNIT

PAPER NUMBER

1714

DATE MAILED:

09/10/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trad marks

# Office Action Summary

Application No.  
09/610,132

Applicant(s)  
Cottis

Examiner  
Szekels

Group Art Unit  
1714

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

## Status

- ☒ Responsive to communication(s) filed on 11/6/07
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 111; 453 O.G. 213.

## Disposition of Claims

- ☒ Claim(s) 1-8 is/are pending in the application.
- Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- ☒ Claim(s) 1-8 is/are rejected.
- ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- ☐ Claim(s) \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been received.
- ☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

## Attachment(s)

- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 4
- ☒ Notice of Reference(s) Cited, PTO-892
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Interview Summary, PTO-413
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Other \_\_\_\_\_

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## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

2. Claims 1 and 5-8 are rejected under 35 U.S.C. 102(b ore) as being anticipated by Walpita et al. 5,962,122 or Toray JP 05320483 .

3. Walpita et al. disclose thermotropic liquid crystalline polymer and high dielectric ceramic in claim 1, a particle size of 1-2 microns in column 3, line 4, and electrical apparatuses in column 1, lines 14-27. Toray teaches liquid crystalline polyester, electronic parts and talc having an average particle diameter of 3 microns, in the Abstract. All properties are inherent in the composition. All electrical appliances will carry at least 220 volts which is the household current. 250 volts is normal fluctuation. Applicant's claims are not novel.

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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5. Claims 1-8 are rejected under 35 U.S.C. 102(b or e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Nakai et al. 5,268,414 or Moriya 6,027,771, in view of Asai et al. 5,141,985 or Asai et al. 5,308,913, and further in view of Inata et al. 4,269,947.

6. Nakai et al. recite liquid crystal polyester resin in the Abstract, electrical appliances in column 7, lines 35-36, and titanium dioxide with a particle diameter of 0.3 microns in Examples 1-8. Moriya displays electrical materials in column 1, lines 35-36, liquid crystal polymer films useful for electrical applications in column 9, lines 1-5 and titanium oxide particles having a mean particle diameter of 0.21 microns in a liquid crystal polymer Example 7. Asai et al. ('985) divulge electrical uses in column 1, lines 40-45, coated titanium dioxide particles in column 5, lines 4-15, and wholly aromatic polyester in claim 1. The contents of Asai et al. ('913) are similar. Inata et al. reveal aromatic polyester in claim 1, electrical insulating material in column 13, lines 44-48 and optical brighteners in column 12 lines 25-27. Applicant's claims are not novel. In the alternative, it would have been obvious to one having ordinary skill in the art, at the time the invention was made, to use the surface treated titanium dioxide of the Asai et al. patents to ensure good adhesion between the filler and the resin in the formulations of Nakai et al. and Moriya, and to add the optical brightener of Inata et al. for reasons of aesthetics, to the compositions of the primary references. All properties are inherent in the composition. The voltage limitations have been discussed already in paragraph #3.

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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter Szekely whose telephone number is (703) 308-2460. The examiner can normally be reached on Tuesday-Friday from 7:00 a.m. to 5:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan, can be reached on (703) 306-2777. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3599 or 5408.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.



**Peter Szekely**  
**Primary Examiner**  
**Art Unit 1714**